BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to Roads and Drains at Ambabhavani Layout (Part-2) in Ward No 03

YELAHANKA DIVISION

EMB

1st & Final Bill

Name of Contractor :Sri.Umesh N
Estimated Cost:60.00 Lakh
Job Code:003-21-000037

BRUHATH BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

1ST AND FINAL BILL

ae of Work: Improvements to Roads and Drains at Ambabhavani Layout (Part-2) in Ward No 03

rk Orde: BBMP/EE/YNK.D/EMPT-5/W.O/62/2021-22, Date: 13.10.2021

Code: 003-21-000037

Cost: 60.00 Lakhs

me of the Contractor: - Sri Umesh N

Detailed Mesurements

m o	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount in Rs
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement - Item No. 1, page No.1 to 2							Cum	882.18	207.60	183140.52
2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement - Item No. 2, page No.2 to 3							Cum	91.65	5509.33	504913.57
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm.As Per the Direction of Engineer In charge of the work.										
	For RCC Drain										
	For Bottom Raft										
	Brundavana Layout										
	Main Road from Main road to dead end										
	RHS										
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	27.00	0.95	0.15	0.15	0.15		3.85		
	Length Continued	1	24.80	0.95	0.15	0.15	0.15		3.53		
	Length Continued	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	6.70	0.95	0.15	0.15	0.15		0.95		
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	25.30	0.95	0.15	0.15	0.15		3.61		
	3rd cross road from Main road to dead end										
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	21.10	0.95	0.15	0.15	0.15		3.01		
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	15.00	0.95	0.15	0.15	0.15		2.14		
	2nd Cross from main road to dead end										
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	12.80	0.95	0.15	0.15	0.15		1.82		
	3rd Main road From Main Road to Dead End										
	RHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	7.80	0.95	0.15	0.15	0.15		1.11		
	LHS	1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	30.00	0.95	0.15	0.15	0.15		4.28		
		1	11.30	0.95	0.15	0.15	0.15		1.61		
	For RCC Culvert										
	Culvert @ Main Road	1	7.50	1.70	0.25	0.25	0.25		3.19		
	For Side wall										

84.74

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ಯಲಹಂಕ ಉಪವಲಯ ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-106

	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount in Rs
	Brundavana Layout										
	Main Road from Main road to dead end										
	RHS	2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	27.00	0.15	0.62	0.62	0.62		5.02		
		2	24.80	0.15	0.60	0.67	0.64		4.72		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	6.70	0.15	0.60	0.60	0.60		1.21		
	LHS										
		2	30.00	0.15	0.62	0.62	0.62		5.58		
		2	30.00	0.15	0.62	0.62	0.62		5.58		
		2	30.00	0.15	0.62	0.62	0.62		5.58		
		2	25.30	0.15	0.62	0.60	0.61		4.63		
	3rd cross road from Main road to dead end										
	RHS	2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	30.00	0.15	0.65	0.65	0.65		5.85		
		2	21.10	0.15	0.60	0.63	0.62		3.89		
	LHS	2	30.00	0.15	0.60	0.80	0.70		6.30		
		2	30.00	0.15	0.80	0.60	0.70		6.30		
		2	15.00	0.15	0.60	0.60	0.60		2.70		
	2nd Cross from main road to dead end										
	RHS	2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	12.80	0.15	0.60	0.60	0.60		2.30		
	3rd Main road From Main Road to Dead End										
	RHS	2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	7.80	0.15	0.60	0.62	0.61		1.43		
	LHS	2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	30.00	0.15	0.60	0.60	0.60		5.40		
		2	11.30	0.15	0.60	0.60	0.60		2.03		
	For RCC Culvert										
	Culvert @ Main Road	2	7.50	0.30	0.45	0.45	0.45		2.03		
							Present Qty=	**Cum**	**193.92** 197.99	**7189.42**	**1394205.76**
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3, TMT Bars Fe-500.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement - Item No. 4,page No.3 to 4							**Tonne**	**12.51**	**65046.90**	**813696.32**
5	Providing and fixing Precast RCC cover slabs of 100 mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement and pointing for joints 1:3 cement mortor including form work, lift charges,curing and concrtee finished surface on both sides etc,and complete as per the directions of Enginner in										
	For RCC Drain Covering Slab										
	Brundavana Layout										
	Main Road from Main road to dead end										
	RHS	1	30.00	0.90					27.00		
		1	27.00	0.90					24.30		
		1	24.80	0.90					22.32		
		1	30.00	0.90					27.00		
		1	6.70	0.90					6.03		
	Deduction BS Slab	-30	0.60	0.90					-16.20		
	LHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	25.30	0.90					22.77		
	3rd cross road from Main road to dead end										
	RHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	21.10	0.90					18.99		
	LHS	1	30.00	0.90					27.00		
		1	30.00	0.90					27.00		
		1	15.00	0.90					13.50		

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

	Description of Item	No	Length	Breadth	D1	D2	Avg Depth	Unit	Qty	Rate in Rs	Amount in Rs
	2nd Cross from main road to dead end										
	RHS	1	30.00	0.90							
		1	12.80	0.90					27.00		
	3rd Main road From Main Road to Dead End								11.52		
	RHS	1	30.00	0.90							
		1	30.00	0.90					27.00		
		1	7.80	0.90					27.00		
	LHS	1	30.00	0.90					7.02		
		1	30.00	0.90					27.00		
		1	11.30	0.90					27.00		
	Deduction BS Slab	-14	0.60	0.90					9.17		
								Present Qty=	**Sqm** 490.80	2337.00	1147139.82
6	Providing and fixing Precast RCC slab of 250mm thick for Culverts made of Plain/Reinforced Cement Concrete design mix M25 with OPC@340kgs,with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates@0.47cum,with superplasticizer@3lts confirming to 189103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour,HOM curing,form works,scaffolding and centering complete as per specifications and pointing for ljoints 1:3 cement mortar including form work,lift charges,curing and concrete finished surfaces on both sides etc,complete and as per the directions of Engineer in-Charge. (Data Rate).As Per the Direction of Engineer In charge of the work										
	For RCC Culvert										
	Culvert @ Main Road	1	7.50	1.50					11.25		
								Present Qty=	**Sqm** 11.25		
								Limited to Qty=	**Sqm** 8.10	5418.00	43885.80
7	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement -Item No. 7, page No.4 to 5							**Sqm**	1086.00	6.36	6906.96
8	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement - Item No.8, page No.5 to 6							**Cum**	217.16	2001.28	434607.22
9	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.MORTH Specification No. 502.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement - Item No.9, page No.6 to 7							**Sqm**	1086.00	29.68	32232.48
10	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement - Item No. 10, page No.7 to 8							**Cum**	54.30	6407.70	347938.11
11	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501.As Per the Direction of Engineer In charge of the work.										

Sl No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount in Rs
	Qty Taken from Pre measurement - Item No. 11, page No.8 to 9							**Sqm**	**1418.20**	**5.30**	**7516.46**
12	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH.As Per the Direction of Engineer In charge of the work.										
	Qty Taken from Pre measurement Item No. 12, page No.9 to 10							**Sqm**	**1418.20**	**12.72**	**18039.49**
13	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4 % VG-30 Bitumen.As Per the Direction of Engineer In charge of the work.										
	For Asphalt Road										
	2nd cross road From Dead End to Cross road										
		1	15.00	5.10	5.00	5.05	0.04		3.03		
		1	15.00	5.00	5.10	5.05	0.04		3.03		
		1	7.20	5.10	5.40	5.25	0.04		1.51		
		1	9.20	5.40	5.15	5.28	0.04		1.94		
		1	9.00	5.10	5.30	5.20	0.04		1.87		
		1	10.00	5.00	4.80	4.90	0.04		1.96		
		1	15.00	4.90	4.80	4.85	0.04		2.91		
		1	15.00	4.80	4.70	4.75	0.04		2.85		
		1	15.00	4.70	5.20	4.95	0.04		2.97		
		1	1.10	5.20	5.50	5.35	0.04		0.24		
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)										
		1	6.70	6.00	5.80	5.90	0.04		1.58		
		1	7.00	5.00	5.30	5.15	0.04		1.44		
		1	15.00	5.70	5.70	5.70	0.04		3.42		
		1	15.00	5.70	5.85	5.78	0.04		3.47		
		1	15.00	5.85	5.68	5.77	0.04		3.46		
		1	15.00	5.68	5.70	5.69	0.04		3.41		
		1	3.70	5.70	5.45	5.58	0.04		0.83		
		1	9.80	4.95	4.70	4.83	0.04		1.89		
		1	9.00	5.25	5.10	5.18	0.04		1.86		
		1	6.80	4.50	4.38	4.44	0.04		1.21		
		1	3.90	5.18	5.10	5.14	0.04		0.80		
		1	2.00	1.80	1.50	1.65	0.04		0.06		
	Cross Road										
		1	30.00	5.00	5.00	5.00	0.04		6.00		
		1	30.00	5.00	5.00	5.00	0.04		6.00		
	Deductions										
	2nd cross road From Dead End to Cross road										
	Chambar	-1	0.50	0.50	0.50	0.50	0.04		-0.01		
	Trees	-1	(3.142*0.20*0.20)/4				0.04		-0.01		
	Electrical Pole	-1	0.20	0.20	0.20	0.20	0.04		-0.002		
	Chambar	-1	0.50	0.50	0.50	0.50	0.04		-0.01		
	Plants	-1	0.40	0.60	0.60	0.60	0.04		-0.01		
		-1	0.30	0.60	0.60	0.60	0.04		-0.01		
		-1	0.70	0.50	0.50	0.50	0.04		-0.01		
	Electrical Pole	-2	0.20	0.20	0.20	0.20	0.04		-0.003		
	Plant	-1	0.60	0.70	0.70	0.70	0.04		-0.02		
	Tree	-1	(3.142*0.40*0.40)/4				0.04		-0.02		
	Chambar	-1	0.60	0.45	0.45	0.45	0.04		-0.01		
	Manhole	-1	(3.142*0.90*0.90)/4				0.04		-0.03		
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)										
	Trees	-4	(3.142*0.40*0.40)/4				0.04		-0.08		
	Electrical Pole	-1	0.20	0.20	0.20	0.20	0.04		-0.002		
	Chambar	-3	0.50	0.50	0.50	0.50	0.04		-0.03		
	Tree	-1	(3.142*0.3*0.30)/4				0.04		-0.01		

Executive Engineer
Bruhat Bangaluru Mahanagara Palike
Yelahanka Division

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಯಲಹಂಕ.
ಬೃಹತ್ ಬೆಂ.ಮ. ಬೆಂಗಳೂರು-106

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Unit	Qty	Rate in Rs	Amount in Rs
	Chambar	-3	0.50	0.50	0.50	0.50	0.04		-0.03		
	Electrical Pole	-1	0.20	0.20	0.20	0.20	0.04		-0.002		
	Tree	-2	(3.142*0.3*0.30)/4				0.04		-0.02		
	Chambar	-3	0.50	0.50	0.50	0.50	0.04		-0.03		
	Manhole	-2	(3.142*0.90*0.90)/4				0.04		-0.05		
	Chambar	-2	0.50	0.50	0.50	0.50	0.04				
							Present Qty=	Cum	56.70	7355.34	417253.47
										Total	5351475.97
										GST Charges 12%	642177.12
										Grand Total	5993653.09

Contractor Representative

Assistant Engineer
Ward No.03

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

Name of Work: Improvements to Roads and Drains at Ambabhavani Layout (Part-2) in Ward No 03

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3.As Per the Direction of Engineer In charge of the work.								
	For RCC Drain								
	Brundavana Layout								
	Main Road from Main road to dead end								
	RHS	1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	27.00	1.10	1.10	1.10	0.90	26.73	
		1	24.80	1.10	1.10	1.10	1.00	27.28	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	6.70	1.10	1.10	1.10	1.00	7.37	
	LHS	1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	25.30	1.10	1.10	1.10	1.00	27.83	
	3rd cross road from Main road to dead end								
	RHS	1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	21.10	1.10	1.10	1.10	0.90	20.89	
	LHS	1	30.00	1.10	1.10	1.10	1.00	33.00	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	15.00	1.10	1.10	1.10	1.00	16.50	
	2nd Cross from main road to dead end								
	RHS	1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	12.80	1.10	1.10	1.10	0.90	12.67	
	3rd Main road From Main Road to Dead End								
	RHS	1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	7.80	1.10	1.10	1.10	0.90	7.72	
	LHS	1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	30.00	1.10	1.10	1.10	0.90	29.70	
		1	11.30	1.10	1.10	1.10	0.90	11.19	
	For RCC Culvert								
	Culvert @ Main Road	1	7.50	2.00	2.00	2.00	1.00	15.00	
	For Asphalt Road								
	2nd cross road From Dead End to Cross road								
		1	15.00	5.10	5.00	5.05	0.25	18.94	
		1	15.00	5.00	5.10	5.05	0.25	18.94	
		1	7.20	5.10	5.40	5.25	0.25	9.45	
		1	9.20	5.40	5.15	5.28	0.25	12.13	
		1	9.00	5.10	5.30	5.20	0.25	11.70	
		1	10.00	5.00	4.80	4.90	0.25	12.25	
		1	15.00	4.90	4.80	4.85	0.25	18.19	
		1	15.00	4.80	4.70	4.75	0.25	17.81	
		1	15.00	4.70	5.20	4.95	0.25	18.56	
		1	1.10	5.20	5.50	5.35	0.25	1.47	
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
		1	6.70	6.00	5.80	5.90	0.25	9.88	
		1	7.00	5.00	5.30	5.15	0.25	9.01	
		1	15.00	5.70	5.70	5.70	0.25	21.38	
		1	15.00	5.70	5.85	5.78	0.25	21.66	
		1	15.00	5.85	5.68	5.77	0.25	21.62	
		1	15.00	5.68	5.70	5.69	0.25	21.34	
		1	3.70	5.70	5.45	5.58	0.25	5.16	
		1	9.80	4.95	4.70	4.83	0.25	11.82	
		1	9.00	5.25	5.10	5.18	0.25	11.64	
		1	6.80	4.50	4.38	4.44	0.25	7.55	
		1	3.90	5.18	5.10	5.14	0.25	5.01	
		1	0.90	1.80	1.50	1.65	0.25	0.37	
	Deductions								
	2nd cross road From Dead End to Cross road								

ಕರ್ನಾಟಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪವಿಭಾಗ ಬೃಹತ್ಪಾಲಿಕೆ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Chambar	-1	0.50	0.50	0.50	0.50	0.25	-0.06	
	Trees	-1		(3.142*0.20*0.20)/4			0.25	-0.03	
	Electrical Pole	-1	0.20	0.20	0.20	0.20	0.25	-0.01	
	Chambar	-1	0.50	0.50	0.50	0.50	0.25	-0.06	
	Plants	-1	0.40	0.60	0.60	0.60	0.25	-0.06	
		-1	0.30	0.60	0.60	0.60	0.25	-0.05	
		-1	0.70	0.50	0.50	0.50	0.25	-0.09	
	Electrical Pole	-2	0.20	0.20	0.20	0.20	0.25	-0.02	
	Plant	-1	0.60	0.70	0.70	0.70	0.25	-0.11	
	Tree	-1		(3.142*0.40*0.40)/4			0.25	-0.13	
	Chambar	-1	0.60	0.45	0.45	0.45	0.25	-0.07	
	Manhole	-1		(3.142*0.90*0.90)/4			0.25	-0.16	
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
	Trees	-4		(3.142*0.40*0.40)/4			0.25	-0.50	
	Electrical Pole	-1	0.20	0.20	0.20	0.20	0.25	-0.01	
	Chambar	-3	0.50	0.50	0.50	0.50	0.25	-0.19	
	Tree	-1		(3.142*0.3*0.30)/4			0.25	-0.07	
	Chambar	-3	0.50	0.50	0.50	0.50	0.25	-0.19	
	Electrical Pole	-1	0.20	0.20	0.20	0.20	0.25	-0.01	
	Tree	-2		(3.142*0.3*0.30)/4			0.25	-0.14	
	Chambar	-3	0.50	0.50	0.50	0.50	0.25	-0.19	
	Manhole	-2		(3.142*0.90*0.90)/4			0.25	-0.32	
	Chambar	-2	0.50	0.50	0.50	0.50	0.25	-0.13	
							Present Qty=	**882.18**	**Cum**

Contractor Representative

Assistant Engineer 27/10/2021
Ward No.03

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

2	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.As Per the Direction of Engineer In charge of the work.								
	For RCC Drain								
	Brundavana Layout								
	Main Road from Main road to dead end								
	RHS	1	30.00	1.10	1.10	1.10	0.10	3.30	
		1	27.00	1.10	1.10	1.10	0.15	4.46	
		1	24.80	1.10	1.10	1.10	0.15	4.09	
		1	30.00	1.10	1.10	1.10	0.10	3.30	
		1	6.70	1.10	1.10	1.10	0.15	1.11	
	LHS	1	30.00	1.10	1.10	1.10	0.10	3.30	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	25.30	1.10	1.10	1.10	0.15	4.17	
	3rd cross road from Main road to dead end								
	RHS	1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	21.10	1.10	1.10	1.10	0.15	3.48	
	LHS	1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	15.00	1.10	1.10	1.10	0.15		
	2nd Cross from main road to dead end								
	RHS	1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	12.80	1.10	1.10	1.10	0.15	2.11	
	3rd Main road From Main Road to Dead End								
	RHS	1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	7.80	1.10	1.10	1.10	0.15	1.29	
	LHS	1	30.00	1.10	1.10	1.10	0.15	4.95	

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	30.00	1.10	1.10	1.10	0.15	4.95	
		1	11.30	1.10	1.10	1.10	0.15	1.86	
	For RCC Culvert								
	Culvert @ Main Road	1	7.50	2.00	2.00	2.00	0.15	2.25	
							Present Qty=	**91.65**	**Cum**

Contractor Representative

Assistant Engineer
Ward No.03

06/11/2021

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

Item No	Description of Item	No of Bars	Cutting Length of Bar	Weight/m in Kgs	Qty	Unit
4	Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications					
	For RCC Drain					
	Brundavana Layout					
1	**Main Road from Main road to dead end**					
	RHS					
	Total length of drain = 115.30 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	949	2.15	0.62	1265.02	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	19	118.50	0.40	900.60	
	LHS					
	Total length of drain = 115.30 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	924	2.15	0.62	1231.69	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	19	115.30	0.62	1358.23	
2	**3rd cross road from Main road to dead end**					
	RHS					
	Total length of drain = 81.10 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	650	2.15	0.62	866.45	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	19	81.10	0.62	955.36	
	LHS					
	Total length of drain = 75.00 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	600	2.25	0.62	837.00	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	19	75.00	0.62	883.50	
3	**2nd Cross from main road to dead end**					
	RHS					
	Total length of drain = 42.80 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	340	2.10	0.62	442.68	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	18	42.80	0.40	308.16	
4	**3rd Main road From Main Road to Dead End**					
	RHS					
	Total length of drain = 67.80 Mtr					

C&F

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10

Item No.	Description of Item	No of Bars	Cutting Length of Bar	Weight/m in Kgs	Qty	Unit
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	544	2.10	0.62	708.29	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	18	67.80	0.62	756.65	
	LHS					
	Total length of drain = 71.30 Mtr					
	Main Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	572	2.10	0.62	744.74	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	18	71.30	0.62	795.71	
	Double Mat					
	For RCC Culverts					
1	**Culvert @ Main Road**					
	Total length of drain = 7.50 Mtr					
	Main Bars 12mm dia@.125mm c/c					
	0.89kg/mtr	2 61	2.40	0.89	260.00	
	Distrubution Bars 10mm dia@.125mm c/c					
	0.62kg/mtr	2 21	7.50	0.62	195.30	
				Present Qty=	**12509.38**	**Kgs**
				Limited Qty	**12.51**	**Tonne**

Contractor Representative

Assistant Engineer 12/11/2021.
Ward No.03

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
7	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3.As Per the Direction of Engineer In charge of the work.								
	For Asphalt Road								
	2nd cross road From Dead End to Cross road								
		1	15.00	5.10	5.00	5.05		75.75	
		1	15.00	5.00	5.10	5.05		75.75	
		1	7.20	5.10	5.40	5.25		37.80	
		1	9.20	5.40	5.15	5.28		48.53	
		1	9.00	5.10	5.30	5.20		46.80	
		1	10.00	5.00	4.80	4.90		49.00	
		1	15.00	4.90	4.80	4.85		72.75	
		1	15.00	4.80	4.70	4.75		71.25	
		1	15.00	4.70	5.20	4.95		74.25	
		1	1.10	5.20	5.50	5.35		5.89	
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
		1	6.70	6.00	5.80	5.90		39.53	
		1	7.00	5.00	5.30	5.15		36.05	
		1	15.00	5.70	5.70	5.70		85.50	
		1	15.00	5.70	5.85	5.78		86.63	
		1	15.00	5.85	5.68	5.77		86.48	
		1	15.00	5.68	5.70	5.69		85.35	
		1	3.70	5.70	5.45	5.58		20.63	
		1	9.80	4.95	4.70	4.83		47.29	
		1	9.00	5.25	5.10	5.18		46.58	
		1	6.80	4.50	4.38	4.44		30.19	
		1	3.90	5.18	5.10	5.14		20.05	
		1	0.90	1.80	1.50	1.65		1.49	
	Deductions								
	2nd cross road From Dead End to Cross road								

Item No.	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Chambar	-1	0.50	0.50	0.50	0.50		-0.25	
	Trees	-1	(3.142*0.20*0.20)/4					-0.13	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Chambar	-1	0.50	0.50	0.50	0.50		-0.25	
	Plants	-1	0.40	0.60	0.60	0.60		-0.24	
		-1	0.30	0.60	0.60	0.60		-0.18	
		-1	0.70	0.50	0.50	0.50		-0.35	
	Electrical Pole	-2	0.20	0.20	0.20	0.20		-0.08	
	Plant	-1	0.60	0.70	0.70	0.70		-0.42	
	Tree	-1	(3.142*0.40*0.40)/4					-0.50	
	Chambar	-1	0.60	0.45	0.45	0.45		-0.27	
	Manhole	-1	(3.142*0.90*0.90)/4					-0.64	
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
	Trees	-4	(3.142*0.40*0.40)/4					-2.01	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Tree	-1	(3.142*0.3*0.30)/4					-0.28	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Tree	-2	(3.142*0.3*0.30)/4					-0.57	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Manhole	-2	(3.142*0.90*0.90)/4					-1.27	
	Chambar	-2	0.50	0.50	0.50	0.50		-0.50	
							Present Qty=	**1133.20**	**Sqm**
							Limited to Qty=	**1086.00**	**Sqm**

Contractor Representative

Assistant Engineer
Ward No.03

30/11/2021.

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

8	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications. MORTH Specification No. 406.As Per the Direction of Engineer In charge of the work.							
	For Asphalt Road							
	2nd cross road From Dead End to Cross road							
		1	15.00	5.10	5.00	5.05	0.20	15.15
		1	15.00	5.00	5.10	5.05	0.20	15.15
		1	7.20	5.10	5.40	5.25	0.20	7.56
		1	9.20	5.40	5.15	5.28	0.20	9.71
		1	9.00	5.10	5.30	5.20	0.20	9.36
		1	10.00	5.00	4.80	4.90	0.20	9.80
		1	15.00	4.90	4.80	4.85	0.20	14.55
		1	15.00	4.80	4.70	4.75	0.20	14.25
		1	15.00	4.70	5.20	4.95	0.20	14.85
		1	1.10	5.20	5.50	5.35	0.20	1.18
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)							
		1	6.70	6.00	5.80	5.90	0.15	5.93
		1	7.00	5.00	5.30	5.15	0.15	5.41
		1	15.00	5.70	5.70	5.70	0.20	17.10
		1	15.00	5.70	5.85	5.78	0.15	[illegible]
		1	15.00	5.85	5.68	5.77	0.20	[illegible]
		1	15.00	5.68	5.70	5.69	0.20	17.07
		1	3.70	5.70	5.45	5.58	0.20	4.13
		1	9.80	4.95	4.70	4.83	0.20	9.46
		1	9.00	5.25	5.10	5.18	0.20	9.32
		1	6.80	4.50	4.38	4.44	0.20	5.75
		1	3.90	5.18	5.10	5.14	0.15	3.01
		1	0.90	1.80	1.50	1.65	0.15	0.22
	Deductions							
	2nd cross road From Dead End to Cross road							

Sl. No.	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Chambar	-1	0.50	0.50	0.50	0.50		-0.25	
	Plants	-1	0.40	0.60	0.60	0.60		-0.24	
		-1	0.30	0.60	0.60	0.60		-0.18	
		-1	0.70	0.50	0.50	0.50		-0.35	
	Electrical Pole	-2	0.20	0.20	0.20	0.20		-0.08	
	Plant	-1	0.60	0.70	0.70	0.70		-0.42	
	Tree	-1	(3.142*0.40*0.40)/4					-0.50	
	Chambar	-1	0.60	0.45	0.45	0.45		-0.27	
	Manhole	-1	(3.142*0.90*0.90)/4					-0.64	
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
	Trees	-4	(3.142*0.40*0.40)/4					-2.01	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Tree	-1	(3.142*0.3*0.30)/4					-0.28	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Tree	-2	(3.142*0.3*0.30)/4					-0.57	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Manhole	-2	(3.142*0.90*0.90)/4					-1.27	
	Chambar	-2	0.50	0.50	0.50	0.50		-0.50	
							Present Qty=	**1133.20**	**Sqm**
							Limited to Qty=	**1086.00**	**Sqm**

Contractor Representative

Assistant Engineer
Ward No.03

04/01/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

10	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen.As Per the Direction of Engineer In charge of the work.							
	For Asphalt Road							
	2nd cross road From Dead End to Cross road							
		1	15.00	5.10	5.00	5.05	0.05	3.79
		1	15.00	5.00	5.10	5.05	0.05	3.79
		1	7.20	5.10	5.40	5.25	0.05	1.89
		1	9.20	5.40	5.15	5.28	0.05	2.43
		1	9.00	5.10	5.30	5.20	0.05	2.34
		1	10.00	5.00	4.80	4.90	0.05	2.45
		1	15.00	4.90	4.80	4.85	0.05	3.64
		1	15.00	4.80	4.70	4.75	0.05	3.56
		1	15.00	4.70	5.20	4.95	0.05	3.71
		1	1.10	5.20	5.50	5.35	0.05	0.29
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)							
		1	6.70	6.00	5.80	5.90	0.05	1.98
		1	7.00	5.00	5.30	5.15	0.05	1.80
		1	15.00	5.70	5.70	5.70	0.05	4.28
		1	15.00	5.70	5.85	5.78	0.05	4.33
		1	15.00	5.85	5.68	5.77	0.05	4.33
		1	15.00	5.68	5.70	5.69	0.05	4.27
		1	3.70	5.70	5.45	5.58	0.05	1.03
		1	9.80	4.95	4.70	4.83	0.05	2.00
		1	9.00	5.25	5.10	5.18	0.05	2.33
		1	6.80	4.50	4.38	4.44	0.05	1.51
		1	3.90	5.18	5.10	5.14	0.05	1.00
		1	0.90	1.80	1.50	1.65	0.05	0.07
	Deductions							
	2nd cross road From Dead End to Cross road							
	Chambar	-1	0.50	0.50	0.50	0.50	0.05	-0.01
	Trees	-1	(3.142*0.20*0.20)/4				0.05	-0.01

	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
Electrical Pole	-1	0.20	0.20	0.20	0.20	0.05	-0.002	
Chambar	-1	0.50	0.50	0.50	0.50	0.05	-0.01	
Plants	-1	0.40	0.60	0.60	0.60	0.05	-0.01	
	-1	0.30	0.60	0.60	0.60	0.05	-0.01	
	-1	0.70	0.50	0.50	0.50	0.05	-0.02	
Electrical Pole	-2	0.20	0.20	0.20	0.20	0.05	-0.004	
Plant	-1	0.60	0.70	0.70	0.70	0.05	-0.02	
Tree	-1		(3.142*0.40*0.40)/4			0.05	-0.03	
Chambar	-1	0.60	0.45	0.45	0.45	0.05	-0.01	
Manhole	-1		(3.142*0.90*0.90)/4			0.05	-0.03	
2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
Trees	-4		(3.142*0.40*0.40)/4			0.05	-0.10	
Electrical Pole	-1	0.20	0.20	0.20	0.20	0.05	-0.002	
Chambar	-3	0.50	0.50	0.50	0.50	0.05	-0.04	
Tree	-1		(3.142*0.3*0.30)/4			0.05	-0.01	
Chambar	-3	0.50	0.50	0.50	0.50	0.05	-0.04	
Electrical Pole	-1	0.20	0.20	0.20	0.20	0.05	-0.002	
Tree	-2		(3.142*0.3*0.30)/4			0.05	-0.03	
Chambar	-3	0.50	0.50	0.50	0.50	0.05	-0.038	
Manhole	-2		(3.142*0.90*0.90)/4			0.05	-0.06	
Chambar	-2	0.50	0.50	0.50	0.50	0.05	-0.025	
						Present Qty=	**56.66**	**Cum**
						Limited to Qty=	**54.30**	**Cum**

Contractor Representative

Assistant Engineer
Ward No.03

04/01/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

11	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501.As Per the Direction of Engineer In charge of the work.							
	For Asphalt Road							
	2nd cross road From Dead End to Cross road							
		1	15.00	5.10	5.00	5.05	75.75	
		1	15.00	5.00	5.10	5.05	75.75	
		1	7.20	5.10	5.40	5.25	37.80	
		1	9.20	5.40	5.15	5.28	48.53	
		1	9.00	5.10	5.30	5.20	46.80	
		1	10.00	5.00	4.80	4.90	49.00	
		1	15.00	4.90	4.80	4.85	72.75	
		1	15.00	4.80	4.70	4.75	71.25	
		1	15.00	4.70	5.20	4.95	74.25	
		1	1.10	5.20	5.50	5.35	5.89	
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)							
		1	6.70	6.00	5.80	5.90	39.53	
		1	7.00	5.00	5.30	5.15	36.05	
		1	15.00	5.70	5.70	5.70	85.50	
		1	15.00	5.70	5.85	5.78	86.63	
		1	15.00	5.85	5.68	5.77	86.48	
		1	15.00	5.68	5.70	5.69	85.35	
		1	3.70	5.70	5.45	5.58	20.63	
		1	9.80	4.95	4.70	4.83	47.29	
		1	9.00	5.25	5.10	5.18	46.58	
		1	6.80	4.50	4.38	4.44	30.19	
		1	3.90	5.18	5.10	5.14	20.05	
		1	0.90	1.80	1.50	1.65	1.49	
	Cross Road							
		1	30.00	5.00	5.00	5.00	150.00	
		1	27.00	5.00	5.00	5.00	135.00	
	Deductions							
	2nd cross road From Dead End to Cross road							
	Chambar	-1	0.50	0.50	0.50	0.50	-0.25	

					Breadth	Depth	Qty	Unit
Trees	-1		(3.142*0.20*0.20)				-0.13	
Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
Chambar	-1	0.50	0.50	0.50	0.50		-0.25	
Plants	-1	0.40	0.60	0.60	0.60		-0.24	
	-1	0.30	0.60	0.60	0.60		-0.18	
	-1	0.70	0.50	0.50	0.50		-0.35	
Electrical Pole	-2	0.20	0.20	0.20	0.20		-0.08	
Plant	-1	0.60	0.70	0.70	0.70		-0.42	
Tree	-1		(3.142*0.40*0.40)				-0.50	
Chambar	-1	0.60	0.45	0.45	0.45		-0.27	
Manhole	-1		(3.142*0.90*0.90)/4				-0.64	
2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
Trees	-4		(3.142*0.40*0.40)				-2.01	
Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
Tree	-1		(3.142*0.3*0.30)				-0.28	
Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
Tree	-2		(3.142*0.3*0.30)				-0.57	
Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
Manhole	-2		(3.142*0.90*0.90)/4				-1.27	
Chambar	-2	0.50	0.50	0.50	0.50		-0.50	
						Present Qty=	**1418.20**	**Sqm**

Contractor Representative

Assistant Engineer
Ward No.03

05/01/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division

2	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH.As Per the Direction of Engineer In charge of the work.							
	For Asphalt Road							
	2nd cross road From Dead End to Cross road							
		1	15.00	5.10	5.00	5.05		75.75
		1	15.00	5.00	5.10	5.05		75.75
		1	7.20	5.10	5.40	5.25		37.80
		1	9.20	5.40	5.15	5.28		48.53
		1	9.00	5.10	5.30	5.20		46.80
		1	10.00	5.00	4.80	4.90		49.00
		1	15.00	4.90	4.80	4.85		72.75
		1	15.00	4.80	4.70	4.75		71.25
		1	15.00	4.70	5.20	4.95		74.25
		1	1.10	5.20	5.50	5.35		5.89
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)							
		1	6.70	6.00	5.80	5.90		39.53
		1	7.00	5.00	5.30	5.15		36.05
		1	15.00	5.70	5.70	5.70		85.50
		1	15.00	5.70	5.85	5.78		86.63
		1	15.00	5.85	5.68	5.77		86.48
		1	15.00	5.68	5.70	5.69		85.35
		1	3.70	5.70	5.45	5.58		20.65
		1	9.80	4.95	4.70	4.83		47.29
		1	9.00	5.25	5.10	5.18		46.58
		1	6.80	4.50	4.38	4.44		30.19
		1	3.90	5.18	5.10	5.14		20.05
		1	0.90	1.80	1.50	1.65		1.49
	Cross Road							
		1	30.00	5.00	5.00	5.00		150.00
		1	27.00	5.00	5.00	5.00		135.00
	Deductions							
	2nd cross road From Dead End to Cross road							
	Chambar	-1	0.50	0.50	0.50	0.50		-0.25
	Trees	-1		(3.142*0.20*0.20)				-0.13

Item No	Description of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Chambar	-1	0.50	0.50	0.50	0.50		-0.25	
	Plants	-1	0.40	0.60	0.60	0.60		-0.24	
		-1	0.30	0.60	0.60	0.60		-0.18	
		-1	0.70	0.50	0.50	0.50		-0.35	
	Electrical Pole	-2	0.20	0.20	0.20	0.20		-0.08	
	Plant	-1	0.60	0.70	0.70	0.70		-0.42	
	Tree	-1	(3.142*0.40*0.40)					-0.50	
	Chambar	-1	0.60	0.45	0.45	0.45		-0.27	
	Manhole	-1	(3.142*0.90*0.90)/4					-0.64	
	2nd Main road From Cross road to House No#30 (Lakhshmi Nivas)								
	Trees	-4	(3.142*0.40*0.40)					-2.01	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Tree	-1	(3.142*0.3*0.30)					-0.04	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Electrical Pole	-1	0.20	0.20	0.20	0.20		-0.04	
	Tree	-2	(3.142*0.3*0.30)					-0.57	
	Chambar	-3	0.50	0.50	0.50	0.50		-0.75	
	Manhole	-2	(3.142*0.90*0.90)/4					-1.27	
	Chambar	-2	0.50	0.50	0.50	0.50		-0.50	
							Present Qty=	**1418.20**	**Sqm**

Contractor Representative

Assistant Engineer
Ward No.03

05/01/2022

Assistant Executive Engineer
Yelahanka Satellite town Sub-Division